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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/657,091	09/09/2003	Hiroyuki Tsuji	11-182	9837

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EXAMINER	
AU, SCOTT D	

ART UNIT	PAPER NUMBER
2635	

DATE MAILED: 06/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/657,091	TSUJI ET AL.	
	Examiner	Art Unit	
	Scott Au	2635	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *09 September 2003*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-12* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-12* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *09 September 2003* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *9092003*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

The application of Tsuji et al. for a "Remote control system" filed September 9, 2003 has been examined.

Claims 1-12 are pending.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2 and 5-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Nakano (US# 6,181,252).

Referring to claim 1, Nakano discloses a remote control system comprising (i.e. see Figure 1): a transmitter (1) (i.e. transmitter) including enciphering means (11) (i.e. microprocessor) for enciphering a predetermined code through the use of a specific key code peculiar to each system, said transmitter (1) (i.e. transmitter) transmitting the enciphered code produced by said enciphering means (col. 2 lines 29-56); and a receiver (2) (i.e. receiver) including deciphering means (21) (i.e. microprocessor) for receiving the enciphered code to decipher the enciphered code through the use of said specific key code (i.e. key code), said receiver (2) (i.e. receiver) outputting an

instruction for activating a controlled object (i.e. doors, trunk) when the deciphered code from said deciphering means satisfies a predetermined relationship, wherein, in a case in which said specific key code (i.e. key code) to be used in said deciphering means (21) (i.e. microprocessor) is transmitted from said transmitter to said receiver(2) (i.e. receiver) and registered therein, said enciphering means (21) (i.e. microprocessor) enciphers said specific key code (i.e. key code) through the use of a default key code stored in said transmitter (1) (i.e. transmitter) and said receiver (2) (i.e. receiver), and said transmitter (1) (i.e. transmitter) transmits the enciphered specific key code to said receiver (2) (i.e. receiver) (col. 2 line 58 to col. 3 line 17; see Figures 1-3).

Referring to claim 2, Nakano disclose the system according to claim 1, wherein said transmitter (1) (i.e. transmitter) transmits the enciphered specific key code to said receiver when a predetermined operation is conducted (col. 2 lines 33-45).

Referring to claim 5, Nakano discloses a remote control system comprising (i.e. see Figure 1): a transmitter (1) (i.e. transmitter) including enciphering means (11) (i.e. microprocessor) having an enciphering table (i.e. see Figure 3) with a plurality of common key codes to be used for enciphering a predetermined code, said enciphering means (11) (i.e. microprocessor) changing one of said plurality of common key codes to a registration key code set in advance to change the contents of said enciphering table (i.e. see Figure 3) and enciphering said predetermined code through the use of the changed enciphering table (i.e. see Figure 3) including said registration key code,

and said transmitter (1) (i.e. transmitter) transmitting the enciphered predetermined code produced by said enciphering means (11) (i.e. microprocessor); and a receiver (2) (i.e. receiver) for outputting an instruction for activating a controlled object (i.e. doors, trunk), said receiver (2) (i.e. receiver) including deciphering means for receiving the enciphered predetermined code to decipher the enciphered predetermined code through the use of said registration key code stored in advance (col. 2 line 29 to col. 3 line 30; see Figure 1-3).

Referring to claim 6, Nakano disclose the system according to claim 5, wherein, when a predetermined operation is conducted with respect to said transmitter (1) (i.e. transmitter), said transmitter (1) (i.e. transmitter) transmits the enciphered predetermined code (col. 2 lines 33-57).

Referring to claim 7, Nakano disclose the system according to claim 5, wherein said receiver makes a decision as to whether or not the deciphered predetermined code is in a predetermined range with respect to a code stored in advance and, if the deciphered predetermined code is in said predetermined range, outputs said instruction for activating said controlled object (col. 2 lines 33-57).

Referring to claim 8, Nakano disclose the system according to claim 5, wherein the one of said plurality of common key codes to be changed to said registration key

code by said enciphering means is a key code specific to the system (col. 3 lines 19-27).

Referring to claim 9, Nakano discloses a remote control system for a vehicle (i.e. see Figure 1), comprising: a portable unit (1) (i.e. transmitter) including enciphering means (11) (i.e. microprocessor) having an enciphering table (i.e. see Figure 3) with a plurality of common key codes to be used for enciphering a predetermined code, said enciphering means (11) (i.e. microprocessor) changing one of said plurality of common key codes to a registration key code set in advance to change the contents of said enciphering table (i.e. see Figure 3) and enciphering said predetermined code through the use of the changed enciphering table (i.e. see Figure 3) including said registration key code, and said portable (1) (i.e. transmitter) transmitting the enciphered predetermined code produced by said enciphering means (11) (i.e. microprocessor); and a vehicle-mounted control unit (2) (i.e. receiver) for outputting an instruction for activating a controlled object, said vehicle-mounted control unit (2) (i.e. receiver) including deciphering means for transmitting said predetermined code to said portable unit (1) (i.e. transmitter) and for receiving said enciphered predetermined code returned from said portable unit (1) (i.e. transmitter) in response to the transmission of said predetermined code to decipher the enciphered predetermined code through the use of said registration key code (col. 2 line 29 to col. 3 line 30; see Figure 1-3).

Referring to claim 10, Nakano disclose the system according to claim 9, wherein, when a predetermined operation is conducted with respect to said portable unit (1) (i.e. transmitter), said portable unit (1) (i.e. transmitter) transmits the enciphered predetermined code (col. 2 lines 33-57).

Referring to claim 11, Nakano disclose the system according to claim 9, wherein said vehicle-mounted control unit makes a decision as to whether or not the deciphered predetermined code is in a predetermined range with respect to said predetermined code transmitted therefrom and, if the deciphered predetermined code is in said predetermined range, outputs said instruction for activating said controlled object (col. 2 lines 33-57).

Referring to claim 12, Nakano disclose the system according to claim 9, wherein the one of said plurality of common key codes to be changed to said registration key code by said enciphering means is a key code specific to the vehicle (col. 2 lines 40-45 and col. 3 lines 19-27).

Claims 3-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Brinkmeyer et al. (US# 5,596,317).

Brinkmeyer et al. disclose a remote control system (i.e. see Figure available) comprising: a portable unit (20) (i.e. portable key) including enciphering means (21) (i.e. encoder) for enciphering a predetermined code through the use of a specific key code peculiar (i.e. Z', specific code transmitted from the vehicle to the portable device 20) to each system (G1-Gn) (i.e. vehicle functions of control devices), said portable unit (20) (i.e. portable key) transmitting the enciphered code produced by said enciphering means (21) (i.e. encoder), and a vehicle-mounted control unit (Gi) (i.e. vehicle control device) including deciphering means(13) (decoder) for transmitting said predetermined code to said portable unit (20) (i.e. portable key) and receiving said enciphered code returned from said portable unit (20) (i.e. portable key) in response to the transmission of said predetermined code to decipher the enciphered code through the use of said specific key code (col. 5 lines 3-12), said vehicle-mounted control unit (Gi) (i.e. vehicle control device) outputting an instruction for activating a controlled object when the deciphered code produced by said deciphering means (13) (decoder) satisfies a predetermined relationship with respect to the transmitted predetermined code, wherein, in a case in which said specific key code to be used in said deciphering means (13) (decoder) is transmitted from said portable unit (20) (i.e. portable key) to said vehicle-mounted control unit (Gi) (i.e. vehicle control device) and registered therein, said enciphering means (21) (i.e. encoder) enciphers said specific key code

through the use of a default key code stored in said portable unit (20) (i.e. portable key) and said vehicle-mounted control unit (Gi) (i.e. vehicle control device), and said portable unit (20) (i.e. portable key) transmits the enciphered specific key code to said vehicle-mounted control unit (Gi) (i.e. vehicle control device) (col. 5 lines 25-43; see Figure available).

Referring to claim 4, Brinkmeyer et al. disclose the system according to claim 3, wherein said portable unit transmits the enciphered specific key code to said vehicle-mounted control unit when a predetermined operation is conducted (col. 5 lines 25-35).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Mabuchi et al. (US# 5,774,065) disclose a remote control system and method using variable ID code.

Any inquiry concerning this communication or earlier communications form the examiner should be directed to Scott Au whose telephone number is (571) 272-3063. The examiner can normally be reached on Mon-Fri, 8:30AM – 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Horabik can be reached at (571) 272-3068. The fax phone numbers for the organization where this application or proceeding is assigned are (703)-872-3906.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-305-3900.

Scott Au

MICHAEL HORABIK
SUPERVISORY PATENT EXAMINER
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